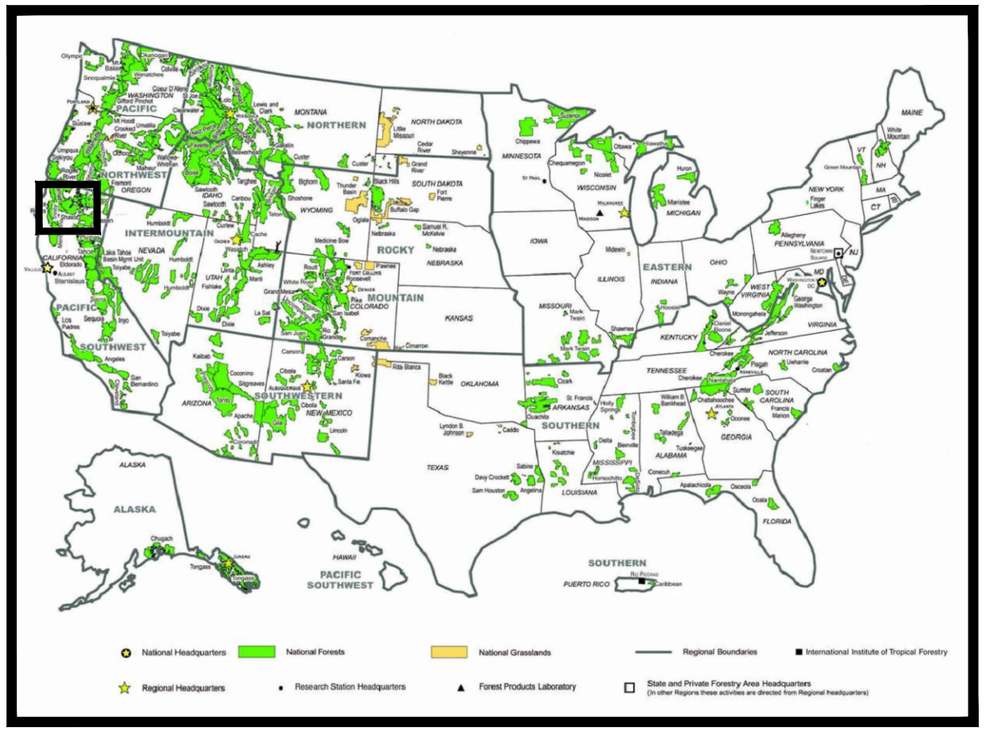
4/6/26 15:12 TYSONCURRAN C:\USERS\TYSONCURRAN\ONEDRIVE - USDA\DESKTOP\ERFO 2026\CASTLE CREEK BRIDGE (R-1484)-SELECTED\REPAIRS 2026\R05 CASTLE CREEK.DWG;

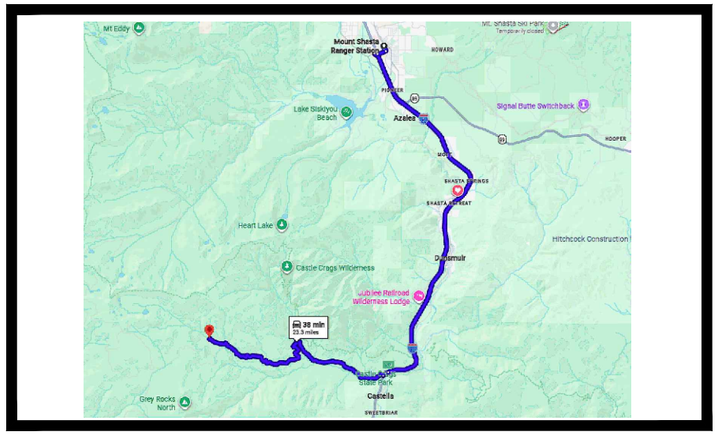
United States Department of Agriculture
Forest Service

(R05) PACIFIC SOUTHWEST REGION
Shasta Trinity NATIONAL FOREST
SHASTA COUNTY, CALIFORNIA
MT. SHASTA - MCCLOUD RANGER DISTRICT

CASTLE CREEK BRIDGE REPAIR



FOREST LOCATION MAP



PROJECT LOCATION MAP

TRAVEL DIRECTIONS:
FROM/STARTING: MOUNT SHASTA RANGER STATION ON 204 W ALMA ST, MT SHASTA, CA 96067

1. GET ON I-5 S FROM PINE ST AND W LAKE ST 3 MIN (0.8 MI), FOLLOW I-5 S TO CASTLE CREEK RD IN SHASTA COUNTY.
2. TAKE EXIT 724 FROM I-5 S 14 MIN (13.9 MI)
3. TURN RIGHT ONTO CASTLE CREEK RD 22 MIN (8.5 MI)
4. ARRIVED AT THE BRIDGE.

CASTLE CREEK RD CASTELLA, CA 96017

LATITUDE: 41°10'1.48"N
LONGITUDE: 122°25'55.83"W

INDEX OF SHEETS

SHEET	SHEET TITLE	DATE
G-01	COVER SHEET	
G-02	VICINITY MAP	
G-03	ESTIMATE OF QUANTITIES	
G-04	GENERAL NOTES	
D-01	PROFILE VIEW	
D-02	PLAN VIEW	
D-03	PLAN VIEW	
F-01	PHOTOS	

RECOMMENDED BY:

TYSON CURRAN — Digitally signed by TYSON CURRAN Date: 2026.04.06 15:26:46 -07'00'
DESIGN ENGINEER — DATE

ANGELICA GALAVIZ-PEREZ — Digitally signed by ANGELICA GALAVIZ-PEREZ Date: 2026.04.13 11:42:04 -07'00'
FOREST ENGINEER — DATE

JOSEPH RODARME — Digitally signed by JOSEPH RODARME Date: 2026.04.08 13:27:56 -07'00'
DISTRICT RANGER — DATE

APPROVED:

TRACI ZIMMERLEE — Digitally signed by TRACI ZIMMERLEE Date: 2026.04.13 16:58:11 -07'00'
FOREST SUPERVISOR — DATE

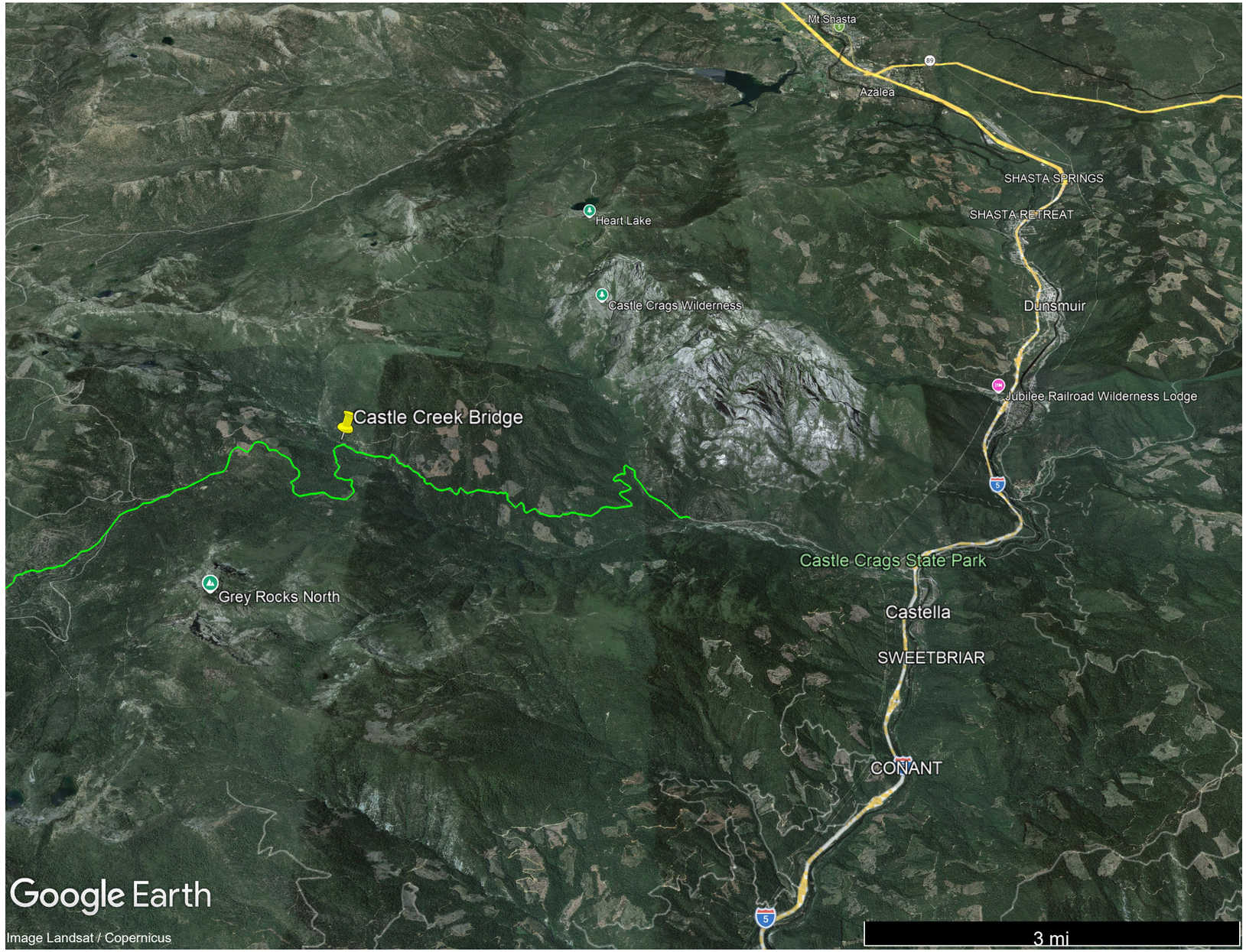
Urgent Repair

Castle Creek Bridge

Legend

- 39N25
- Castle Creek Bridge

N



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United States Department of Agriculture
Forest Service

(R5)
PACIFIC SOUTHWEST REGION

Castle Creek Bridge Repair
Shasta Trinity NATIONAL FOREST
Mt. Shasta - McCloud RANGER DISTRICT

DRAWING TITLE
VICINITY MAP

DATE	DESIGNER	CHECKED	DWG SHEET NO.
03/31/2026	Tyson Curran	Forest Engineer	G-02

NO.	REVISION DESCRIPTION	BY	DATE
△			
△			
△			

SHEET 2 OF 8

ITEM NO.	DESCRIPTION	PAY UNIT	EST. QTY.
15101	Mobilization	Lump Sum	1
20101	Clearing and grubbing, disposal method <Scattering>	Lump Sum	1
20701	Earthwork geosynthetics, type <non-woven>	Square Yard	100
20803	Structure Excavation and Backfill for Selected Major Structures	Cubic Yard	270
25102-9	Placed riprap, class 9 FP-24 Table 705-1	Ton	375
25102-7	Placed riprap, class 7 FP-24 Table 705-1	Ton	250
63501	Temporary traffic control	Lump Sum	1

PAY ITEM NOTES:

1) ITEM 15201 - MOBILIZATION: COVERS TO AND FROM SITE, PERMITS, INCIDENTALS, EQUIPMENT SPECIAL REQUIREMENTS, CLEANING, DISPOSAL AND OTHER RELATED COST OUTLINED IN FP-24 AND FSSS.

2) ITEM 20101 - CLEARING AND GRUBBING: ITEM IS TO BE USED TO GAIN ACCESS TO THE SAFE LOCATION AT THE OUTLET OF THE BRIDGE AND WILL REQUIRE CLEARING. THIS COVERS THE AREA OUTSIDE THE BRIDGE AREA.

3) ITEM 20803: SEE FP-24 PAGE. 127 FOR DETAILS. ITEM IS INTENDED TO COVER REPAIRING BY REDUCING SLOPES AND CURRENT PROFILE. IN CONJUNCTION WITH PLACEMENT OF 25102 ITEMS. CONTRACTOR WILL PROVIDED A PLAN ON HOW THEY WILL REDUCE PROFILE AND PLACE RIP RAP AND BACKFILL FOR BRIDGE. CLEARING IS ALSO INCLUDED IN THIS PAY ITEM FOR THE BRIDGE AREA. CONTRACTOR WILL BE WORKING IN A STREAM COURSE AND WILL MEET STATE, LOCAL, FEDERAL, AND CA WATER BOARD REQUIREMENT WHILE PERFORMING WORK.

4) ITEM25102-9 AND -7 RIP RAP: PROVIDE COMMERCIALLY SOURCE RIP RAP MEETING OR EXCEEDING SIZE GRADATION IN FP-24 TABLE 705-1. RIP RAP WILL BE PLACED IN STREAM BED BY EQUIPMENT.

GENERAL NOTES:
ALL EQUIPMENT WORKING IN OR NEAR THE STREAM IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE EQUIPMENT WITH STREAM SAFE OILS AND ALL STATE AND FEDERAL REQUIREMENTS AND MITIGATION WILL BE THE CONTRACTORS RESPONSIBILITY.

THE PLANS ARE TO ADDRESS THE URGENT NEEDS TO REDUCE FURTHER DAMAGE AND TO STABILIZE THE SITUATION.

GENERAL NOTES

1. PUBLIC SAFETY, TRAFFIC CONTROL, AND DUST CONTROL SHALL BE PROVIDED BY CONTRACTOR IN ACCORDANCE WITH STATE AND COUNTY REQUIREMENTS. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN.

2. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE C.O.R. OF ANY DISCREPANCIES ENCOUNTERED BETWEEN FIELD CONDITIONS AND THESE PLANS OR ERRORS IDENTIFIED IN THE CONTRACT.

3. THE CONTRACTOR SHALL KEEP DETAILED RECORDS AND AS-BUILTS SHOWING ALL MODIFICATIONS MADE TO THESE PLANS. THESE RECORDS AND AS-BUILTS SHALL BE PROVIDED TO THE C.O. UPON PROJECT COMPLETION.

4. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS. ANY MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

5. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ANY AND ALL UTILITIES. CALL 811.

6. STAGING AREAS FOR EQUIPMENT STORAGE OR MATERIAL STOCKPILES WILL BE ALLOWED ONLY IN AREAS APPROVED BY THE C.O.

7. THE CONTRACTOR IS RESPONSIBLE FOR WATER, ELECTRICITY, AND RESTROOMS.

8. ALL EQUIPMENT WILL ARRIVE ON SITE WASHED AND FREE OF ALL VISIBLE SOIL, DEBRIS, AND ORGANIC MATTER. ALL EQUIPMENT WILL BE APPROVED BY THE C.O. PRIOR TO UNLOADING ON THE PROJECT SITE.

9. THE SPECIFICATIONS FOR THIS PROJECT SHALL BE FEDERAL HIGHWAY ADMINISTRATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES ON FEDERAL HIGHWAY PROJECTS" (FP-14) AND THE SUPPLEMENTAL SPECIFICATIONS. THE FP-24 MAY BE DOWNLOADED AT: HTTPS://HIGHWAYS.DOT.GOV/FEDERAL-LANDS/SPECS/FP-24

10. THE CONTRACTOR IS RESPONSIBLE FOR MATCHING EXISTING IMPROVEMENTS AND THE SURROUNDING LANDSCAPE WITH SMOOTH TRANSITIONS. THE CONTRACTOR SHALL AVOID CREATING ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES, TO THE SATISFACTION OF THE C.O. THE COSTS OF ANY BACKFILL OR EXCAVATION REQUIRED FOR SUCH TRANSITIONS ARE INCIDENTAL TO OTHER ITEMS.

11. UNLESS OTHERWISE NOTED, BORROW MATERIAL IS NOT AVAILABLE ON SITE AND SHALL BE OBTAINED FROM PRIVATE SOURCES

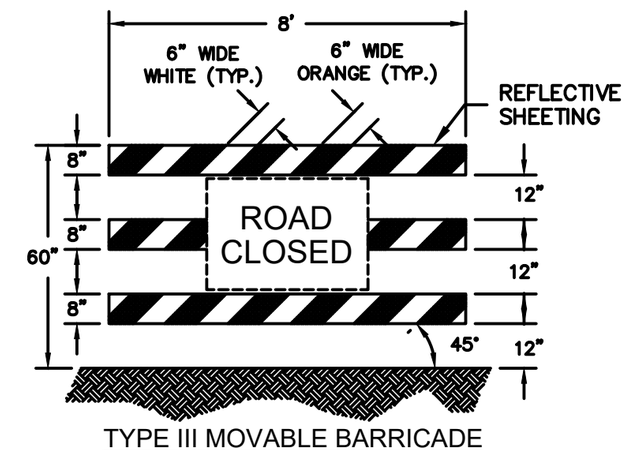
MINIMUM TRAFFIC CONTROL NOTES:

ONE 36"X36" W20-3 (PER MUTCD) MOVABLE CONSTRUCTION SIGN WILL BE REQUIRED AT EACH END OF THE CONSTRUCTION ZONE DURING CONSTRUCTION ACTIVITIES. THE SIGNS SHALL BE MOUNTED A MINIMUM OF 12" ABOVE THE GROUND AND SHALL BE PLACED WITHIN 500 FEET OF EACH CONSTRUCTION ZONE END. IF THE ROAD DEAD ENDS OR PUBLIC USE HAS BEEN OBSTRUCTED, ONLY ONE W20-3 WILL BE REQUIRED. THE ROAD SHALL NOT BE CLOSED FOR MORE THAN 2 CONTINUOUS HOURS WHEN USING THE W20-3. IF THE ROAD REQUIRES CLOSURE FOR MORE THAN 2 CONTINUOUS HOURS, A TYPE III MOVABLE BARRICADE WILL BE REQUIRED.

ONE TYPE III MOVABLE BARRICADE WILL BE REQUIRED TO CLOSE EACH 8' OF TRAVELED WAY WIDTH. SIGNS SHALL OBSCURE NO MORE THAN 50 PERCENT OF THE TOP 2 RAILS OR 33 PERCENT OF ALL THREE RAILS. SIGNS SHALL BE MOUNTED A MINIMUM OF 12" ABOVE THE GROUND. WHERE A BARRICADE ARRAY EXTENDS ACROSS A ROADWAY, THE STRIPES SHALL SLOPE DOWNWARD IN THE DIRECTION TOWARD WHICH TRAFFIC MUST TURN OR PASS. WHERE BOTH RIGHT AND LEFT VEHICULAR MOVEMENTS ARE PROVIDED, THE STRIPES SHALL SLOPE DOWNWARD IN BOTH DIRECTIONS FROM THE CENTER OF THE BARRICADE ARRAY. WHERE NO VEHICULAR MOVEMENTS ARE PROVIDED, THE STRIPES SHALL SLOPE DOWNWARD TOWARD THE CENTER OF THE BARRICADE ARRAY.

IF PLANS CALL FOR TRAFFIC CONTROL PLAN CONTRACTOR MUST FOLLOW MUTCD AND PROVIDE A PLAN BEFORE WORK BEGINS.

W20-3 MOVABLE BARRICADE



TYPE III MOVABLE BARRICADE

United States Department of Agriculture Forest Service	(R5) PACIFIC SOUTHWEST REGION	Castle Creek Bridge Repair Shasta Trinity NATIONAL FOREST Mt. Shasta - McCloud RANGER DISTRICT	DRAWING TITLE GENERAL NOTES	DATE 03/31/2026 · DESIGNER Tyson Curran · CHECKED Forest Engineer	DWG SHEET NO. G-04 · SHEET 4 OF 8

NO.	REVISION DESCRIPTION	BY	DATE
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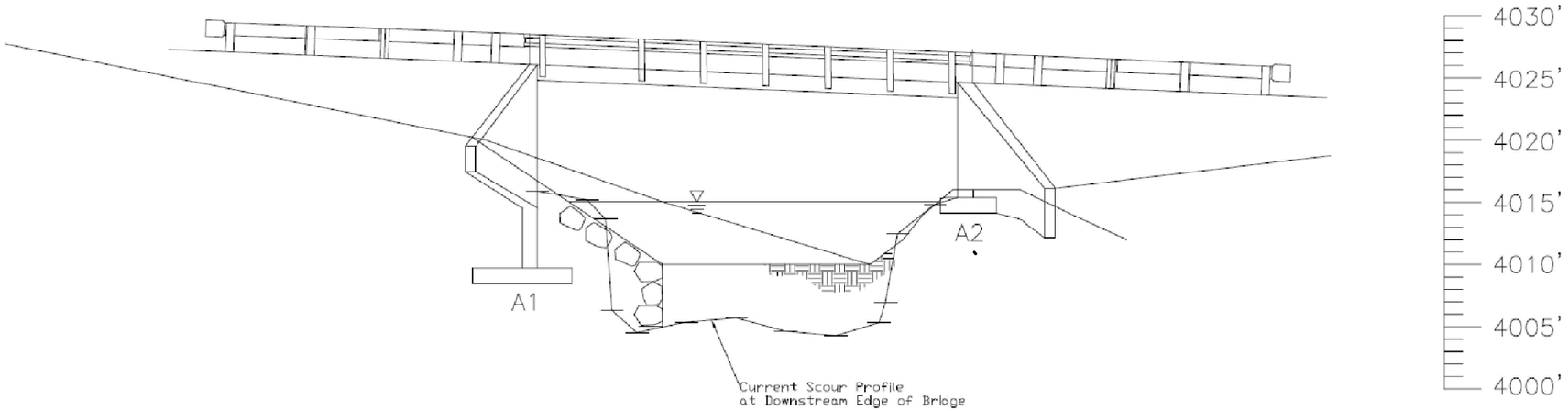
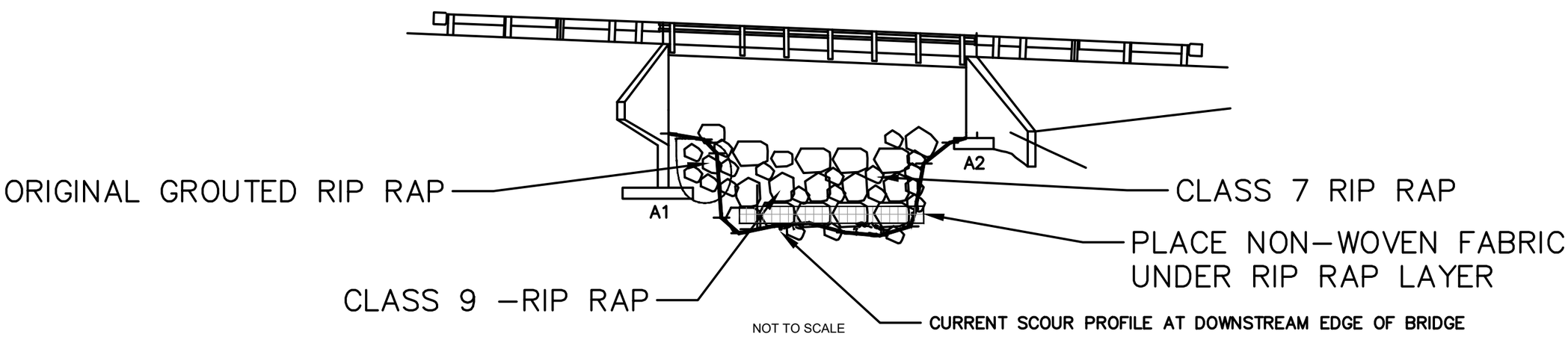


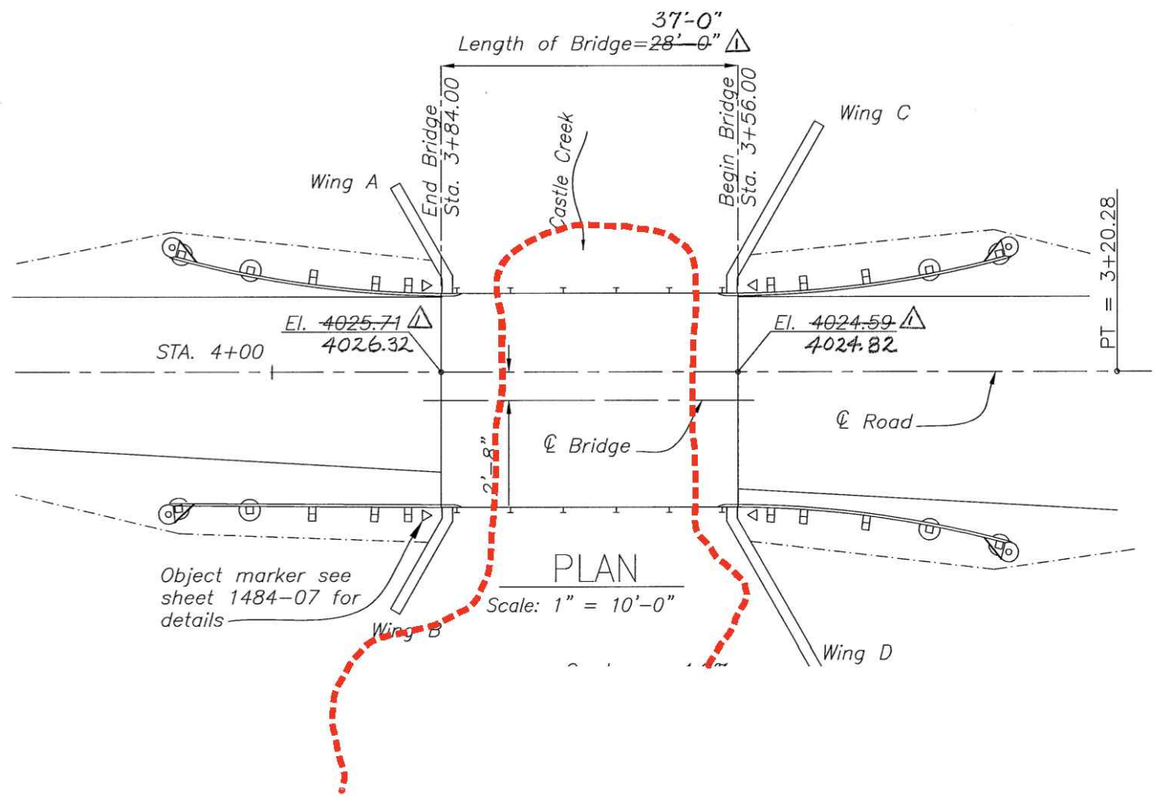
NOTES:
PROFILE VIEW OF SCOUR.
PLACE RIP RAP IN SCOUR BY INTERLOCKING THE TWO CLASS AND GRADATIONS IN ORDER TO REDUCE CONTINUED EROSION.
NON-WOVEN FABRIC INSTALL WILL GO UNDER RIP RAP LAYERS.

SEE PHOTOS ON F-1 FOR ALL AREAS STILL GROUTED



USDA United States Department of Agriculture Forest Service	(R5) PACIFIC SOUTHWEST REGION	Castle Creek Bridge Repair Shasta Trinity NATIONAL FOREST Mt. Shasta - McCloud RANGER DISTRICT	DRAWING TITLE PROFILE	DATE 03/31/2026	DESIGNER Tyson Curran	CHECKED Forest Engineer	DWG SHEET NO. D-01
				NO. / REVISION DESCRIPTION / BY / DATE			SHEET 5 OF 8

4/6/26 15:12 TYSONCURRAN C:\USERS\TYSONCURRAN\ONEDRIVE - USDA\DESKTOP\ERFO 2026\CASTLE CREEK BRIDGE (R-1484)-SELECTED\REPAIRS 2026\R05 CASTLE CREEK.DWG;

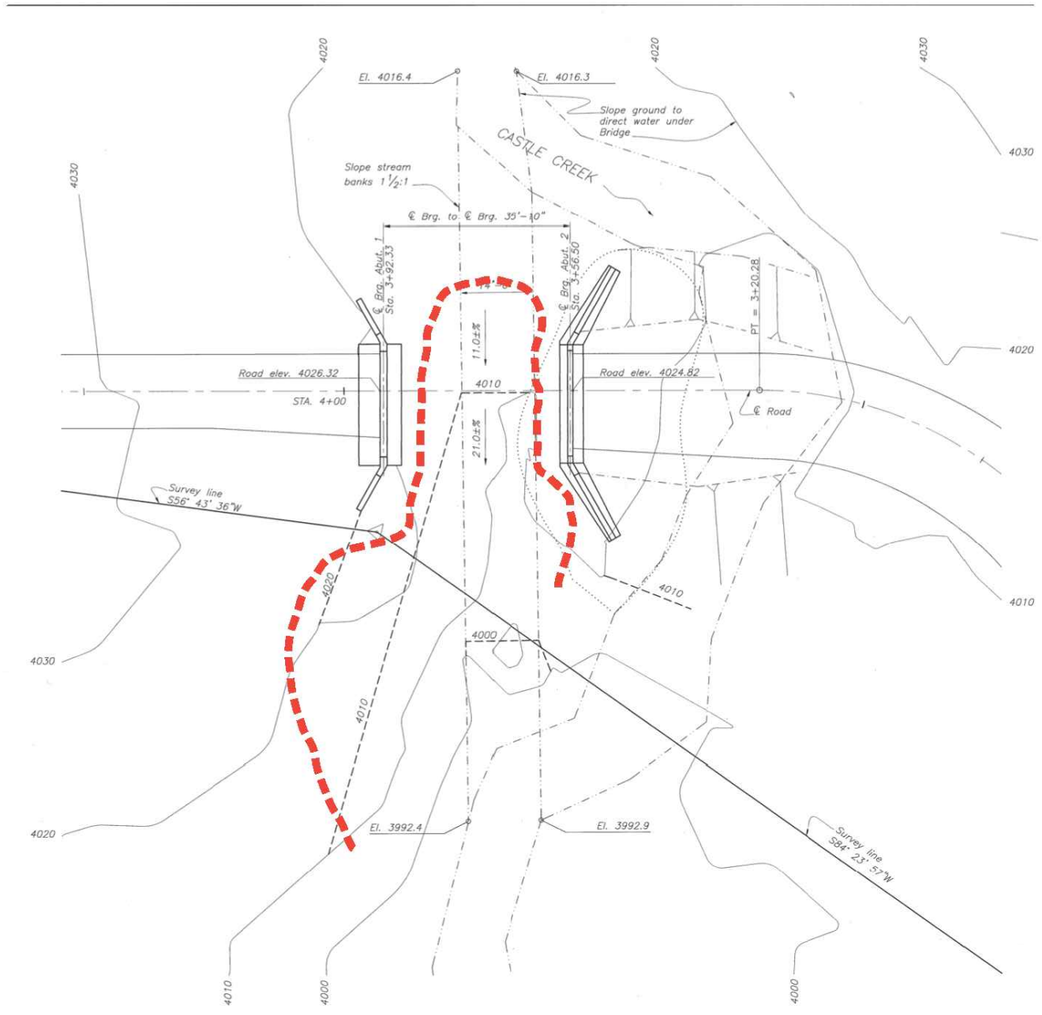


NOTES: GENERAL OUTLINE OF DAMAGE AREA (SCOUR SCAR).

OUTLINED AREA IS WHERE REHAB WITH RIP RAP, SHAPING FOR STABILITY, AND EXCAVATION WILL TAKE PLACE AND OR WILL BE REQUIRED. CONSIDERATIONS FOR REDUCING CHANNEL SLOPE PROFILE.

USDA United States Department of Agriculture Forest Service	(R5) PACIFIC SOUTHWEST REGION	Castle Creek Bridge Repair Shasta Trinity NATIONAL FOREST Mt. Shasta - McCloud RANGER DISTRICT	DRAWING TITLE PLAN	DATE 03/31/2026	DESIGNER Tyson Curran	CHECKED Forest Engineer	DWG SHEET NO. D-02
				NO. / REVISION DESCRIPTION / BY / DATE			SHEET 6 OF 8

4/6/26 15:12 TYSONCURRAN C:\USERS\TYSONCURRAN\ONEDRIVE - USDA\DESKTOP\ERFO 2026\CASTLE CREEK BRIDGE (R-1484)-SELECTED\REPAIRS 2026\R05 CASTLE CREEK.DWG;



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USDA United States Department of Agriculture Forest Service	(R5) PACIFIC SOUTHWEST REGION	Castle Creek Bridge Repair Shasta Trinity NATIONAL FOREST Mt. Shasta - McCloud RANGER DISTRICT	DRAWING TITLE PLAN	DATE 03/31/2026	DESIGNER Tyson Curran	CHECKED Forest Engineer	DWG SHEET NO. D-03
				NO. / REVISION DESCRIPTION / BY / DATE			SHEET 7 OF 8

4/6/26 15:12 TYSONCURRAN C:\USERS\TYSONCURRAN\ONEDRIVE - USDA\DESKTOP\ERFO 2026\CASTLE CREEK BRIDGE (R-1484)-SELECTED\REPAIRS 2026\R05 CASTLE CREEK.DWG;

NOTES:
PHOTOS SHOW STORM DAMAGE. VIEWS ARE OUTLET FOCUSED.
VISUAL AID ONLY
CONDITIONS MAY HAVE CHANGED SINCE PHOTOS WERE TAKEN BUT REFLECT DAMAGE AREAS WELL.

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USDA United States Department of Agriculture Forest Service	(R5) PACIFIC SOUTHWEST REGION	Castle Creek Bridge Repair Shasta Trinity NATIONAL FOREST Mt. Shasta - McCloud RANGER DISTRICT	DRAWING TITLE PHOTOS	DATE 03/31/2026	DESIGNER Tyson Curran	CHECKED Forest Engineer	DWG SHEET NO. F-01
				NO.	REVISION DESCRIPTION	BY / DATE	SHEET 8 OF 8